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MEETING LOG
DIRECTORATE FOR ENGINEERING SCIENCES

SUBJECT: ANSI Z21 Chairman's Advisory Committee of
Accredited Standards Committee Z21

PLACE: Ritz-Carlton Pentagon City Hotel, Arlington VA

MEETING DATE: April 10, 1996

LOG ENTRY SOURCE: Donald W. Switzer DWS

ENTRY DATE: December 23, 1996

COMMISSION ATTENDEES:

Donald W. Switzer ES

NON-COMMISSION ATTENDEES: See attached Minutes

MEETING SUMMARY

The Chairman's Advisory Committee (CAC) consists of representatives of the gas distribution and gas appliance manufacturing industries. The purpose of the CAC is to provide expert assistance to the Chairman of the Accredited National Standard Committee Z21. The minutes are attached and accurately reflect discussions during the meeting.

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INTERNATIONAL APPROVAL SERVICES

A JOINT VENTURE OF THE AMERICAN GAS ASSOCIATION AND THE CANADIAN GAS ASSOCIATION

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June 21, 1996

**TO MEMBERS OF THE CHAIRMAN'S ADVISORY
COMMITTEE OF THE Z21 COMMITTEE:**

Enclosed is a copy of the minutes of your April 10, 1996 meeting as prepared by me and approved for distribution by Chairman Forman. Any member comments should be submitted to me by July 22, 1996. If I do not receive any comments the minutes will be considered final at that time.

Chairman Forman and I thank you and the others attending the meeting for the time and effort you committed to this activity.

Sincerely,

ALLEN J. CALLAHAN
Admin. Secretary
Z21 Committee

Encl.

cc: Daryl Hosler
S. P. Grieco
F.A. Stanonik
George Mallinos
Jack T. Weizeorick

MINUTES
OF THE APRIL 10, 1996 MEETING OF
CHAIRMAN'S ADVISORY COMMITTEE
OF
ACCREDITED STANDARDS COMMITTEE Z21

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Minutes of Meeting
CHAIRMAN'S ADVISORY COMMITTEE
of
ACCREDITED STANDARDS COMMITTEE Z21

Held at the

Ritz-Carlton Pentagon City Hotel
1260 South Hayes Street
Arlington, Virginia 22202

April 10, 1996

The meeting was called to order by the Chairman at 9:00 A.M., Eastern Daylight Saving Time, Wednesday, April 10, 1996. During the course of the meeting, the following were in attendance:

Members Present:

Howard I. Forman, Chairman
Frances Gailey
James M. Jones
Jay R. Katchka
James Mullen
Earl T. Rhinehart
Bruce J. Swiecicki
Donald W. Switzer

Administrative Staff (Non-voting):

Allen J. Callahan, Administrative Secretary
James H. Gazda

Guests:

Maureen Cislo, Product Safety Letter
Spencer P. Grieco, International Approval Services - U.S., Inc.
Daryl L. Hosler, Chairman, Z83 Committee
George Mallinos, International Approval Services - Canada, Inc.
Frank A. Stanonik, Gas Appliance Manufacturers Association Inc.
Jack T. Weizeorick, Association of Home Appliance Manufacturers

Members Absent

William E. Dalton
Jack D. Rea

Opening Remarks

The Chairman extended a warm welcome to the members, staff and guests. The Chairman then requested all present to introduce themselves and identify their affiliations.

ITEM 1. Approval of Minutes

The minutes of the Advisory Committee's April 5, 1995 meeting were approved as written. It was reported that all items requiring action had been addressed. The revised operating procedures for the committee were before ANSI for approval.

ITEM 2. Chairman's Review of Various Standards Activities

Subject

Proposed merger of the Z21 and Z83 Committees. —

Background

Copies of the following materials were prepared by the chairman and the administrative secretary for consideration:

- A February 29, 1996 letter containing three resolutions to address the proposed merger of the Z21 and Z83 Committees, and a January 24, 1996 letter containing the basis for the resolutions.
- Documents titled "Combining the Z21 and Z83 Committees - Background" and "Brief History of the Z21 and Z83 Projects."

Discussion

Chairman Forman informed the advisory committee that this would be his last year as chairman of the Z21 Committee. His three year term would expire next April 1997. Chairman Forman reviewed his February 29, 1996 letter containing three proposed resolutions: A) to merge the Z21 and Z83 Committees, B) Elect the officers for the merged committee to serve a "bridging" term from April 1997 to April 1998, and C) a timetable for submitting candidate names for the offices of chairman and vice chairman which would provide the election to take place at the April 1997 meeting. A nominating committee would need to be established to consider candidates according to Z21 Committee procedures. He would consider naming someone to serve as chairman of the nominating committee.

Mr. Hosler, Chairman of the Z83 Committee, indicated that while the Z83 Committee historically has met in October each year, it could next meet as a joint activity in April 1997.

Mr. Stanonik noted that the Z83 Committee addresses commercial and industrial equipment. The Z21 project addresses primarily residential equipment. While it is believed that GAMA's membership would support merging the committees there is some question whether individuals familiar with residential equipment could influence standards coverages for industrial and commercial equipment. The two entities may view the standards from different perspectives. He did believe the committees should move forward in their process to merge the two committees.

It was commented that oversight of the standards under a single committee structure had worked in the past. Also, the Z21 Committee does have oversight for some commercial product standards, e.g., the volume III water heater standard. It was noted that regardless of interest area anyone can comment on the standards and it is beneficial that issues be resolved at the committee level. Comments were also made that there are similarities

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April 10, 1996

in appliances regardless if they are residential or commercial/industrial appliances, many of the general interest members have common interests not distinguished by appliance type, and that merging the two committees' memberships would bring additional expertise into the committees. It was expected that the two committees' memberships could be brought into the new merged committee. Consideration would be given to assuring compliance with ANSI requirement for balance.

It was also reported that ANSI had been contacted. Since the two committees' operating procedures are essentially identical, ANSI had only indicated that it needed to be informed of the title of the to-be-merged committee and which procedures would be used.

Conclusion

With the understandings that the memberships of the two committees would be brought together, the operating procedures of the two committees are essentially identical, and ANSI's only requests are to provide a title and identify the merged committee's procedures, the advisory committee supported recommending that the two committees be merged.

**ITEM 3. Report on Unannounced Visits at Subcommittee Meetings
by Messrs. Forman, Rhinehart and Swiecicki**

Subject

The Advisory Committee considered reports of unannounced visits to the following subcommittee meetings:

<u>Meeting Date</u>	<u>Subcommittee</u>	<u>Visitor</u>
August 15, 1995	Automatic Gas Controls	Bruce J. Swiecicki
August 22, 1995	Gas Conversion Burners	Earl T. Rhinehart
September 6-7, 1995	Manual Gas Valves	Howard I. Forman
September 13-14, 1995	Central Furnaces	Howard I. Forman

Background

In conjunction with the above reports the Advisory Committee was presented with a list of subcommittee meetings visited to date.

Discussion

The Chairman summarized that the unannounced visits of advisory committee members allows the advisory committee to become more familiar with issues being addressed by the subcommittees, and also provides feedback to the subcommittees on procedural matters.

Conclusion

The reports were accepted as informational.

ITEM 4. Status Report on Harmonization

Subject

Progress report on harmonization of the Z21/Z83 and CGA standards.

Background

The following information was presented to the Advisory Committee:

- A list of Z21/CGA subcommittees (15) and Z83/CGA subcommittees (2) which have published a standard or have comparison documents or harmonized drafts in process.
- A list of Z21/CGA subcommittees (2) and Z83/CGA subcommittees (2) that have assigned working groups, individuals or have taken other steps to prepare comparison documents or harmonization drafts.
- A list of Z21/CGA subcommittees (1) and Z83/CGA subcommittees (1) where harmonization has not been initiated.
- Status sheet (in table form) on the harmonization of the Z21/Z83 and CGA standards.

Discussion

It was reported that essentially 80% of the harmonization effort will be completed by year-end 1996.

Response

The Advisory Committee accepted the report as informational.

ITEM 5. PROPOSED "GUIDELINES FOR THE DESIGN AND USE OF GRAPHIC SYMBOLS AND COMMUNICATIONS PROTOCOL FOR GAS APPLIANCES AND RELATED ACCESSORIES"

Subject

The Z21/Z83/CGA Ad Hoc Advisory Group on Graphic Symbols and Communications Protocol for Gas Appliance and Gas Controls requested that the Z21 Committee approve proposed guidelines developed by the advisory group.

History

See the minutes of the Z21 Committee's April 6, 1995 meeting.

Background

The chairman's advisory committee reviewed, under Item 9 of the Z21 Committee's April 11, 1996 agenda, copies of a 2nd Draft of the guidelines titled "North American Multi-Language Communications Protocol for

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Conclusion

The panel accepted the report as informational.

ITEM 7. Awards Presentation/Reception

Subject

Review list of potential award recipients to receive awards in 1996.

Discussion

Mr. Forman noted that the awards program is intended to recognize, and thank, those individuals who have contributed their time and expertise to the Z21 voluntary standards program.

The Advisory Committee reviewed and approved a list of participants in the Z21 standards program eligible to receive service awards in 1996. The list consisted of four individuals who will receive "long term" awards and twelve to receive "short-term" service award, as shown in Appendix B of these minutes. Long-term service awards are awarded to those individuals who have ten or more years of service in the Z21 standards program. Short-term service awards are awarded to those individuals who have three or more years service in the Z21 standards program and who have retired or resigned prior to receiving a long-term service award.

Response

The Advisory Committee acknowledged the efforts of each of the award recipients.

OTHER BUSINESS

Subject

Request to initiate development of a new standard for "fish cookers."

Background

It was brought to the attention of the advisory committee that the Z21/CGA joint outdoor cooking appliance subcommittee requested that the Z21 Committee and the CGA Standards Steering Committee approve a recommendation that the subcommittee undertake a new project to develop a standard for fish cookers. It was also reported that there was interest that such a standard fall under the supervision of the camping equipment subcommittee.

Discussion

It was noted that fish cookers are in common use, they can have input ratings from 20,000 to 100,000 Btu per hour, and typically are used with larger capacity propane fuel supply cylinders. They may also have side burners.

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Gas-Fired Appliances and Accessories Markings and Instructions," and an ad hoc advisory group chairman's report dated April 4, 1996.

Discussion

Questions were raised on whether the document was ready for approval and if the ad hoc advisory group was operating within the bounds of its assignment. It was suggested that the function of the ad hoc advisory group is to prepare recommendations for providing graphic symbols for markings and instructions required by the standards, to be considered by the various subcommittees, and that the document should not be a subject for approval by the parent committees in the U.S. and Canada at this time. The chairman's report indicated there are outstanding issues that, it was believed, should be addressed by the ad hoc group. Mr. Switzer indicated he would ask CPSC's human factors group to review the draft for comments. It was also noted that while the ad hoc group appears to have exceeded its assignment, it also appears it has identified some reasonable symbols for consideration.

Conclusion

The Z21 Chairman's Advisory Committee recommended to the Z21 Committee that the ad hoc advisory group complete its assignment and that recommendations of the ad hoc group then be presented to all applicable subcommittees for consideration. Mr. Jones, Chairman of the CGA Standards Committee, indicated his concurrence with the recommendation, and indicated he would make a similar recommendation to the CGA Standards Steering Committee.

IAS Canada has the lead responsibility for servicing the graphic symbols ad hoc group's activity. Mr. Mallinos, Manager of Standards, IAS Canada, agreed to draft a letter to the ad hoc group regarding the Z21 Chairman's Advisory Committee's recommendation.

**ITEM 6. Report on GRI Funding Program for Standards
Test Methods Development**

Subject

Review status of current test method investigation projects for funding by the Gas Research Institute (GRI).

Background

The Z21 Chairman's Advisory Committee and the Chairman of the Z83 Committee comprise a project panel which approves projects for recommendation to the Gas Research Institute (GRI) for funding. Recommendations have been coordinated through the Gas Appliance Technology Center (GATC) at the A.G.A. Laboratories (AGAL).

The panel was provided with a list of projects in order of priority as assigned by the panel for which the status of the projects has changed since the Z21 Committee's April 6, 1995 meeting.

Discussion

Staff reviewed each of the projects. Appendix A to these minutes contains a copy of the status report as presented at this time.

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April 10, 1996

Conclusion

The advisory committee recommended to the Z21 Committee that it endorse the development of a new standard for fish cookers under the supervision of the outdoor cooking appliance subcommittee. The advisory committee agreed the characteristics described regarding fish cooker operation are more typical of equipment covered by the outdoor cooking subcommittee, and not the camping equipment subcommittee.

ITEM 8. Time and Place of Future Meetings

Subject

Information on the dates of future meetings of the Z21 Chairman's Advisory Committee.

Conclusion

The next meeting of the Chairman's Advisory Committee is tentatively scheduled for October 10, 1996.

There being no further business before the advisory committee the Chairman thanked the members, guests and staff for their cooperation and adjourned the meeting at 11:23 A.M., April 10, 1996.

ALLEN J. CALLAHAN
Administrative Secretary
International Approval
Services - U.S., Inc.

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Develop a standardized and universally accepted test method(s) for measuring the total output of radiant energy from gas-fired infrared heaters.

Additional Information

Test method investigation project on the effects of "high altitude" on the operation of gas appliances. (Completed Project.)

At the Z21 Committee's April 1995 meeting it was noted that the preliminary report on the High Altitude Project had generated several questions and concerns, many of which were raised at a September 1994 meeting of the Z21/CGA joint central furnace subcommittee. It was suggested that any unresolved issues be sent back to the appropriate subcommittee and, if necessary, have that group develop a new work statement(s) to address unresolved issues.

Update: At its September 13-14, 1995 meeting the Z21/CGA joint central furnace subcommittee agreed to further review the final GRI report on this project and the original work statement to determine which issues need to be addressed. Further discussion is slated for the joint subcommittee's November 1996 meeting. It is anticipated that a new work statement will be developed to address unresolved issues.

APPENDIX A

to

MINUTES OF Z21 CHAIRMAN'S ADVISORY COMMITTEE

held

APRIL 10, 1996

**GRI FUNDING PROGRAM FOR STANDARDS
TEST METHODS DEVELOPMENT**

The following is a list of GRI projects in order of priority as assigned by the project panel. Updates are provided under those projects whose status has changed since the Committee's April 6, 1995 meeting.

APPROVED PROJECTS

I. *Further Develop a Standardized and Universally Accepted Wind Test Procedure*

As reported at the April 1995 meeting funding under the GRI Venting Project was reallocated to address field problems with high temperature plastic vent pipe. The wind test work may be initiated at some future date if priorities, as established by GRI's Venting Program Manager and TAG, permit.

and

Evaluate Proposed Categorization Coverage for Water Heating Appliances

Interim results were reported to GRI's Venting TAG at a March 3, 1995 meeting. Battelle - Columbus, Ohio, at the direction of GRI's Venting Program Manager, was conducting additional analysis as suggested by the TAG.

Update: It is anticipated that the draft report on the additional analysis suggested by the project's TAG will be available in the near future. Once received a working group of the joint Z21/CGA water heater subcommittee will review the report and make recommendations to the subcommittee for consideration at its June 1996 meeting.

II. *Makeup air heater ventilation*

As reported at the April 1995 meeting discussions are underway with GRI's team Leader for Environmental and Safety Issues.

PROJECTS COMPLETED

Develop a test method investigation project on the effects of "high altitude" on the operation of gas appliances.

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APPENDIX B

to

MINUTES OF Z21 CHAIRMAN'S ADVISORY COMMITTEE

held

APRIL 10, 1996

Z21 AWARD RECIPIENTS FOR 1996

LONG-TERM SERVICE AWARD (4)

<u>Name</u>	<u>Group</u>	<u>Appointed</u>	<u>Off</u>
Joe A. Akin Jr. Alabama Gas Company	Water Heaters	4/26/85	-
James Brown U.S. Brass	Connectors	1/20/86	6/22/95
Alec E. Ecobichon Elizabethtown Gas Co.	Ranges	7/25/85	-
Theodore C. Lemoff National Fire Protection Association	Z21 Committee	5/10/85	-

SERVICE AWARDS (12)

<u>Name</u>	<u>Group</u>	<u>Appointed</u>	<u>Off</u>
Charles L. Garretson York International	Air Conditioners	5/16/91	6/29/95
Joseph A. Gauer Whirlpool Corporation	Clothes Dryers	8/4/89	5/15/95
Michael E. Griffin Baltimore Gas & Electric Company	Z21 Committee	9/29/88	7/95

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Robert E. Hamos PVI Industries	Water Heaters	7/1/89	6/22/95
Perry M. Johnson Southeastern Michigan Gas Company	Clothes Dryers	1988	2/9/95 2/95
<u>Name</u>	<u>Group</u>	<u>Appointed</u>	<u>Off</u>
Kent A. Keeney United Technologies	Thermostats & Automatic Ignition Systems	11/8/90	11/30/95
Carl H. Kolb Wayne Home Equipment A Scott Fetzer Company	Conversion Burners	8/7/89	6/22/95
James E. Kovacs (formerly with Hunter Orillia)	Decorative Appliances Vented Heaters	1991	11/14/95
R. F. Marson Centra Gas Ontario, Inc. Richard W. Olmstead Watts Regulator Company	Central Furnaces	1991	8/9/95
	Relief Valves	2/29/90	8/25/95
Gale A. Schmidt HydroFlame Corp./ Atwood Mobile Products	Central Furnaces	2/5/92	2/21/95
Jim C. Smelcer Rheem Manufacturing Co.	Central Furnaces	8/8/91	8/8/95